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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	. CONFIRMATION NO.	
10/659,464	09/09/2003	Kung-Li Deng	134239	4724	
0	7590 02/28/2007 ECTRIC COMPANY	EXAMINER			
GLOBAL RESEARCH			VARGOT, MATHIEU D		
PATENT DOC NISKAYUNA,	CKET RM. BLDG. K1-4 NY 12309	IA59	ART UNIT	PAPER NUMBER	
Moleculari,			1732		
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
2 MONTHS		02/28/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.		App	Applicant(s)				
		10	)/659,464	DEN	DENG ET AL.				
Office Action Summary			aminer	Art l	Jnit				
			athieu D. Vargot	1732					
Period fo	The MAILING DATE of this commun or Reply	nication appears	on the cover sheet	t with the corres	oondence ad	ldress			
WHIC - External after - If NC - Failu Any	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE N nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this come of period for reply is specified above, the maximum so re to reply within the set or extended period for reply reply received by the Office later than three months ed patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE s of 37 CFR 1.136(a). munication. tatutory period will ap y will, by statute, caus	OF THIS COMMU In no event, however, may ply and will expire SIX (6) N e the application to become	NICATION.  y a reply be timely filed  MONTHS from the mail e ABANDONED (35 U	ling date of this c				
Status					•				
1)⊠	Responsive to communication(s) file	ed on 15 Decer	mber 2006.		•				
,	, ,		on is non-final.						
3)	Since this application is in condition	condition for allowance except for formal matters, prosecution as to the merits is							
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)⊠ Claim(s) <u>2-21 and 23</u> is/are pending in the application.									
•	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)□	5) Claim(s) is/are allowed.								
6)⊠	Claim(s) 2-21 and 23 is/are rejected	l.	•						
7)	Claim(s) is/are objected to.				•				
8)[	Claim(s) are subject to restrict	ction and/or ele	ction requirement.						
Applicati	on Papers								
9)	The specification is objected to by the	e Examiner.							
10)	The drawing(s) filed on is/are	: a) accepte	d or b) objected	to by the Exami	ner. `				
	Applicant may not request that any object	ction to the draw	ring(s) be held in abe	yance. See 37 C	FR 1.85(a).				
	Replacement drawing sheet(s) including	g the correction is	s required if the draw	ing(s) is objected	to. See 37 Cl	FR 1.121(d).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority ι	ınder 35 U.S.C. § 119								
_	Acknowledgment is made of a claim ☐ All b) ☐ Some * c) ☐ None of:	for foreign prio	rity under 35 U.S.C	C. § 119(a)-(d) o	r (f).				
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the Internation	onal Bureau (Po	CT Rule 17.2(a)).						
* S	See the attached detailed Office action	on for a list of th	e certified copies n	not received.					
Attachmen	t(s)				,				
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)									
2) D Notic	e of Draftsperson's Patent Drawing Review (F	PTO-948)	Paper No(s)/Mail Date  5) Notice of Informal Patent Application						
	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date		6)  Other: _		ppiicatiUi1				

Art Unit: 1732

1.The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2-21 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over either of Suzuki et al in view of the article to Hirose et al entitled "Optical Solder Effects of Self-Written Waveguides in Optical Circuit Devices Coupling" or Suzuki et al in view of the article to Hirose essentially for reasons of record noting the following. Upon reconsideration, Mikami et al has been dropped from the rejection as being cumulative with respect to the other references. Suzuki et al discloses that a suitable photopolymerized material would comprise an epoxy-methacrylic acid ester (ie, an epoxy—see col. 6, lines 27-28), blended or copolymerized (see col. 7, lines 23-24) with binding polymers such as PMMA (penultimate line of column 6) and a fluoromethacrylate (polytrifluoroethylmethacrylate—see col. 7, line 4). Hence, Suzuki et al does indeed disclose a material to be polymerized that is very similar to the instant except that the fluromethacrylate is slightly different. However, one of ordinary skill in the art would have been expected to pick and choose suitable resins and there is no indication that the instant material provides any unexpected benefit as pertaining to the instant process. The article to Hirose et al is applied for reasons of record, applicant essentially not providing any arguments against its application.

2.Applicant's arguments filed December 15, 2006 have been fully considered but they are not persuasive. Applicant has submitted that the instant fluororesin would not

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have been obvious over that taught in Suzuki et al but such is not persuasive of error in the rejection. While there might indeed be physical and chemical differences between the instant fluororesin and that disclosed in Suzuki et al, it has not been shown on record how these differences would have affected the instant process in any meaningful way. In truth, it would appear that applicant has merely selected some starting material that would have been obvious from well known photopolymerizable materials used in the prior art, namely Suzuki et al. Clearly, contrary to applicant's comments, Suzuki et al does envision a copolymer that would contain three moieties as set forth in the instant claims. Taken in combination with the resins disclosed in Suzuki et al, it is submitted that the splitter of Hirose et al renders the instant claims obvious.

3.**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mathieu D. Vargot whose telephone number is 571 272-1211. The examiner can normally be reached on Mon-Fri from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Johnson, can be reached on 571 272-1176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M. Vargot February 26, 2007 Mathieu D. Vargot Primary Examiner Art Unit 1732

M. Vivas

2/26/07